

Figure 1

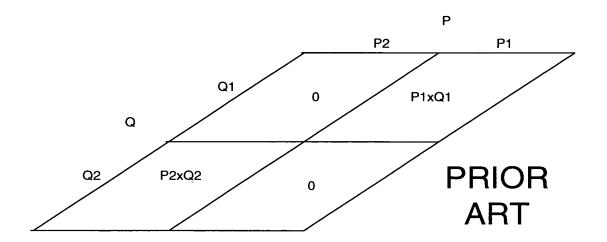


Figure 2

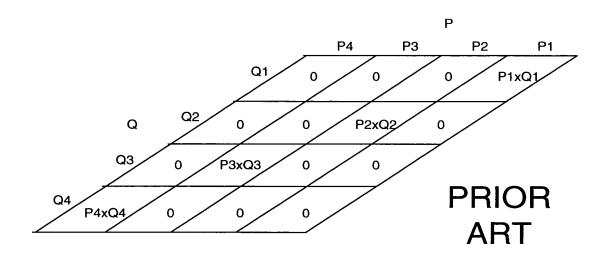


Figure 3

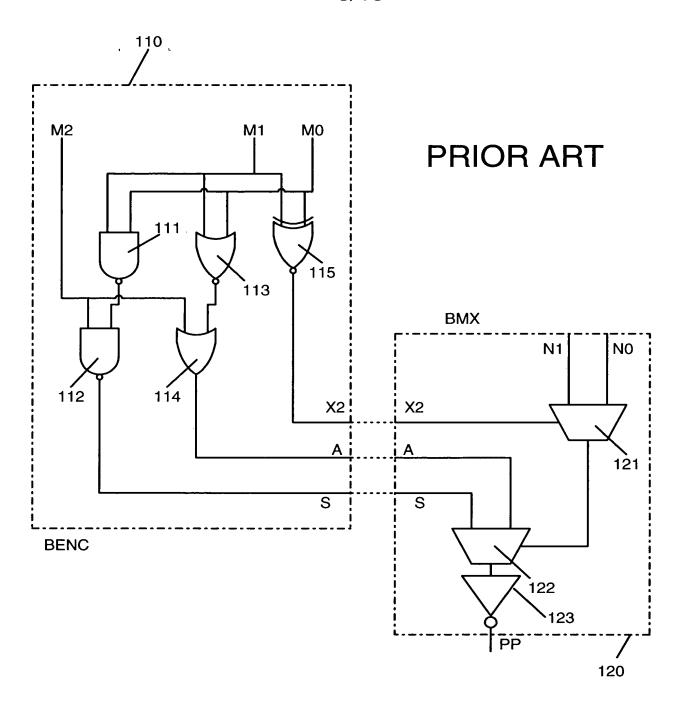


Figure 4

M2	M1	M0	Action	A	S	X2	BMX output	
0	0	0	multiply by 0	1	1	1	0	
0	0	1	multiply by 1	0	1	0	N1	
0	1	0	multiply by 1	0	1	0	N1	
0	1	1	multiply by 2	0	1	1	NO_	
1	0	0	multiply by -2	1	0	1	¬N0	
1	0	1	multiply by - 1	1	0	0	¬N1	
1	1	0	multiply by -1	1	0	0	¬N1	
1	1	1	multiply by 0	1	1:	1	0	

Figure 5

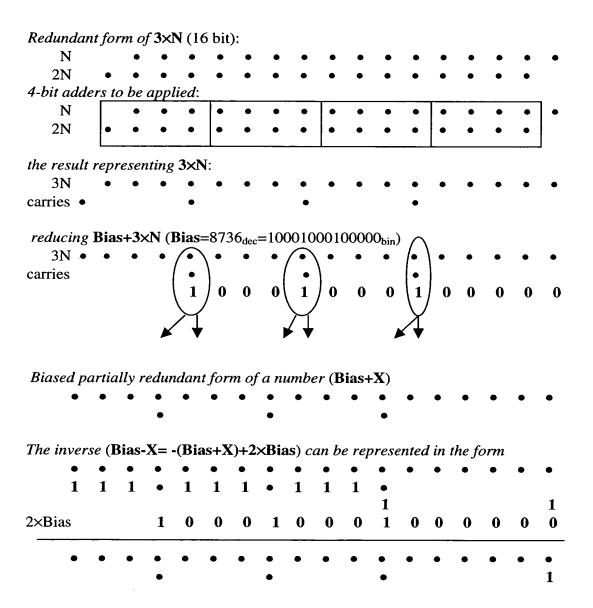


Figure 6

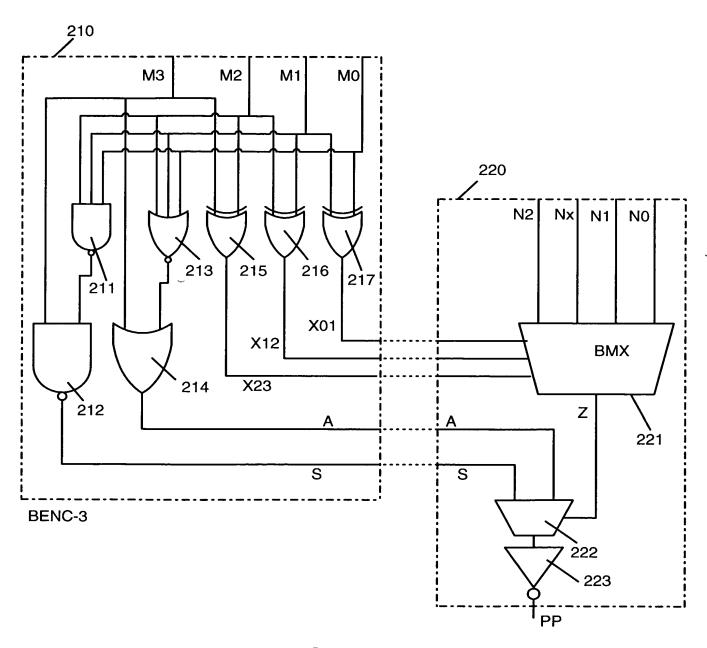


Figure 7

M3	M2	M1	M0	Action	BMX output	A	S	X01	X12	X23
0	0	0	0	multiply by 0	0	1	1	0	0	0
0	0	0	1	multiply by 1	N2	0	1	1	0	0
0	0	1	0	multiply by 1	N2	0	1	1	1	0
0	0	1	1	multiply by 2	N1	0	1	0	1	0
0	1	0	0	multiply by 2	N1	0	1	0	1	1
0	1	0	1	multiply by 3	Nx	0	1	1	1	1
0	1	1	0	multiply by 3	Nx	0	1	1	0	1
0	1	1	1	multiply by 4	N0	0	1	0	0	1
1	0	0	0	multiply by -4	¬N0	1	0	0	0	1
1	0	0	1	multiply by -3	¬Nx	1	0	1	0	1
1	0	1	0	multiply by -3	¬Nx	1	0	1	1	1
1	0	1	1	multiply by -2	¬N1	1	0	0	1	1
1	1	0	0	multiply by -2	¬N1	1	0	0	1	0
1	1	0	1	multiply by -1	¬N2	1	0	1	1	0
1	1	1	0	multiply by -1	¬N2	1	0	1	0	0
1	1	1	1	multiply by 0	0	1	1	0	0	0

Figure 8

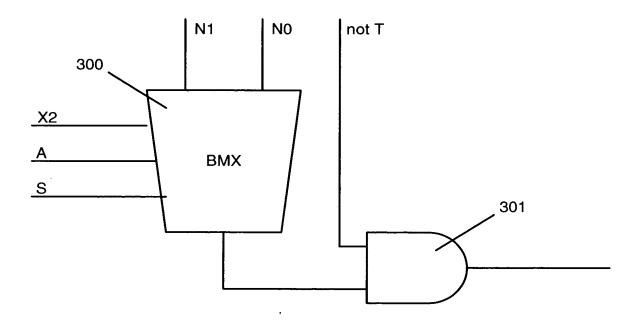


Figure 9a

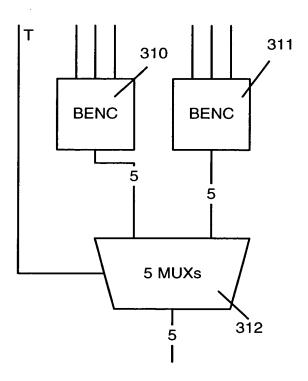


Figure 9b

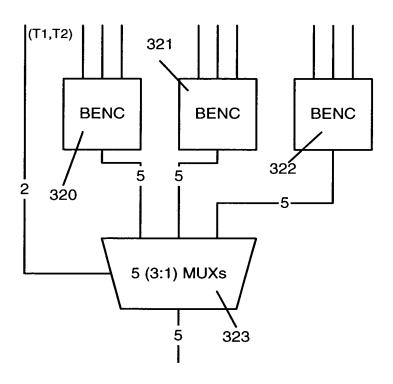


Figure 9c

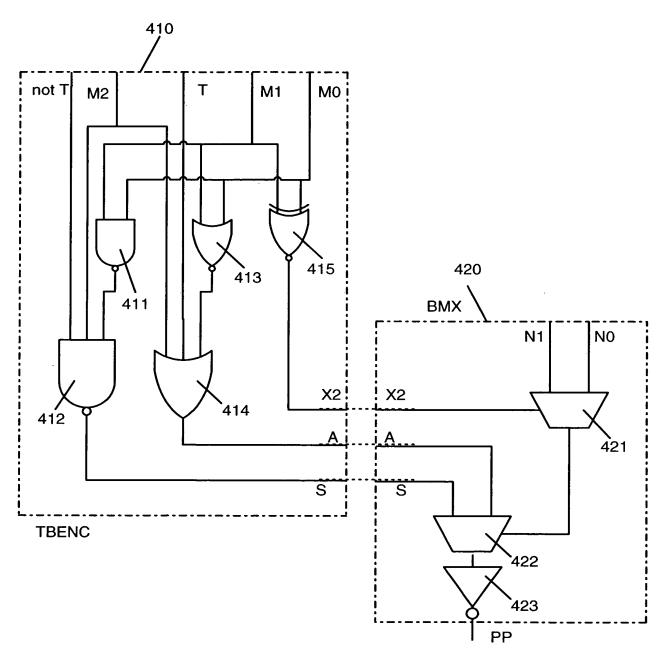


Figure 10

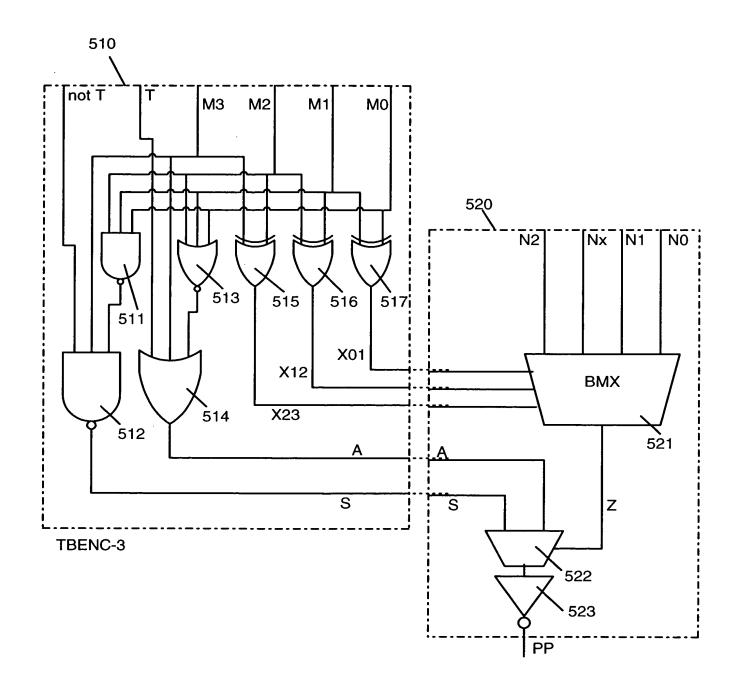


Figure 11

